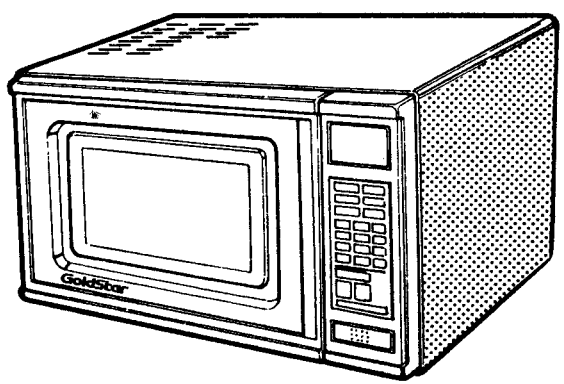
GoldStar

Owner's Manual

GoldStar
MICROWAVE/GRILL/CONVECTION OVEN
ER-946MD



Please read this Owner's Manual carefully before operatin the microwave/grill/convection oven.

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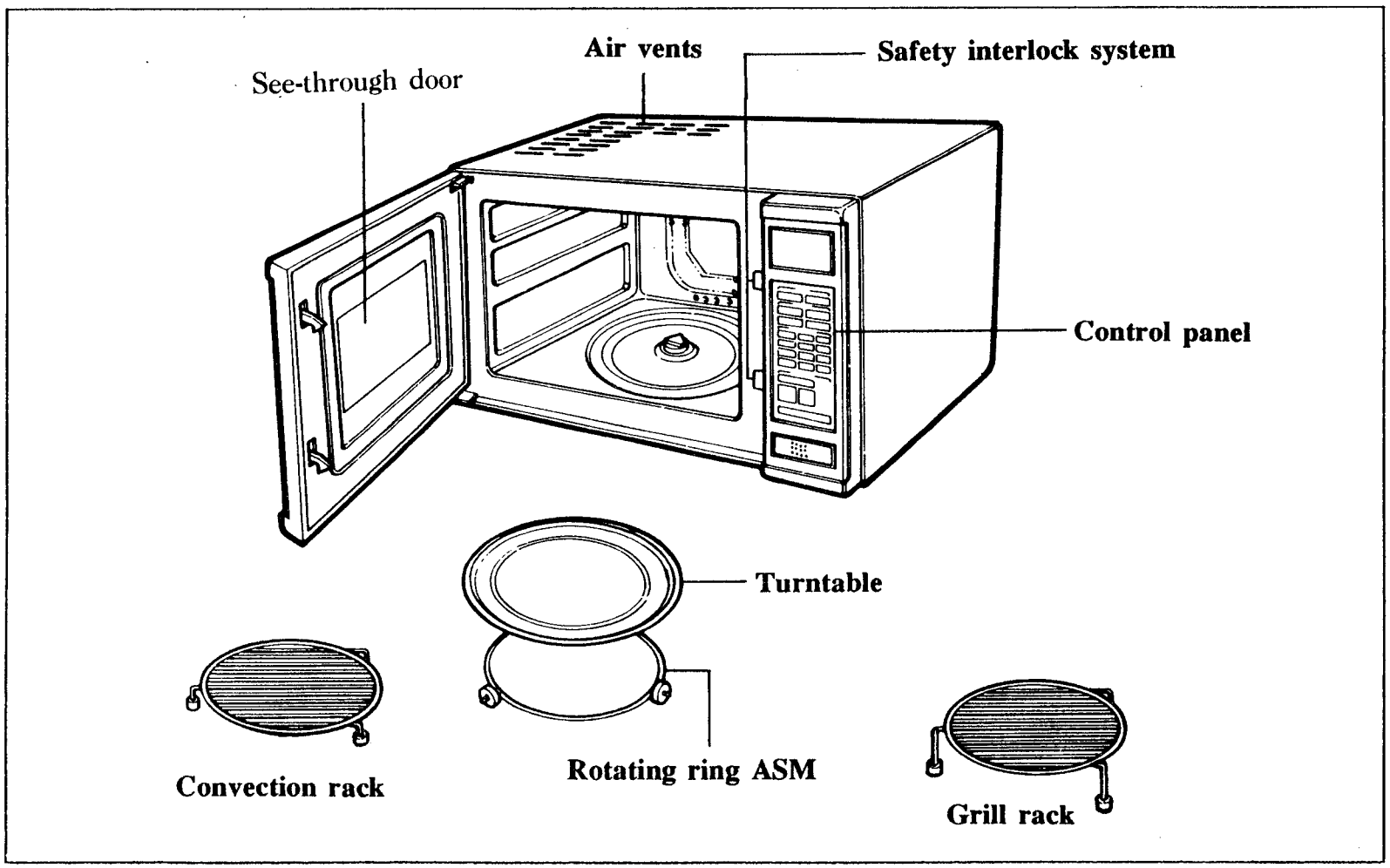
FEATURES


Air vents
Safety interlock system
See-through door
Control panel
Turntable
Convection rack
Rotating ring ASM
Grill rack

CONTROL PANEL

DISPLAY WINDOW - to display the time of day, timer, temperature, cooking power and cooking category

TIME - to set the microwave cooking time

COMBINATION - to select combination cooking

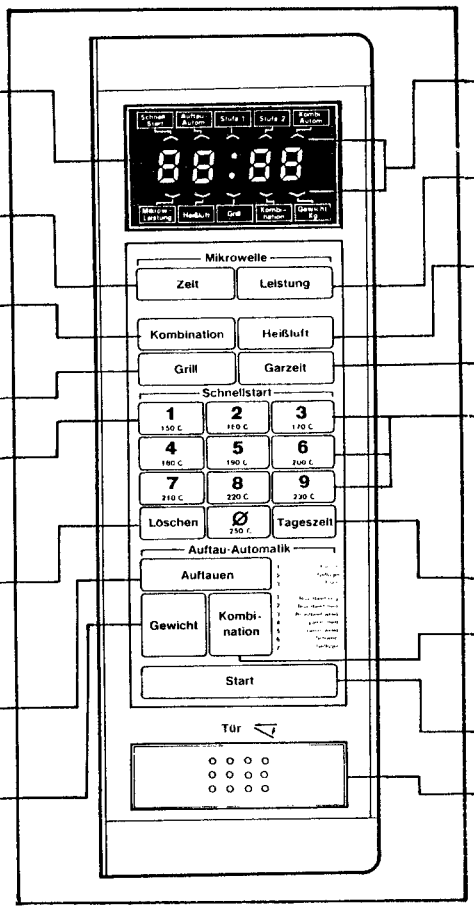
GRILL - to select grill cooking

JET START - to select micro power (cooking power HI) and start within 6 minutes with one touch

STOP/CLEAR - stops the oven and clears all entries, except the time of day

DEFROST - to select auto weight defrost

WEIGHT - to set the auto cooking weight



INDICATOR LIGHTS - to indicate the programmed input

POWER - to select micro power cooking and cooking powers

CONVECTION - to select convection cooking

TIME - to set the heater cooking time

NUMBERS - to enter the:
- time of day
- cooking temp.
- cooking times
- cooking category
- cooking powers

CLOCK - to set the time of day

COMBI COOK - to select auto weight combination cooking

START - to start the oven

DOOR OPEN BUTTON

SUPPLIED ITEMS

Remove your oven and all material from the shipping carton. Your oven comes with the following material:

1 Turntable	1 Grill Rack
1 Rotating Ring	1 Cookbook
1 Convection Rack	1 Owner's Manual

This microwave oven is designed for household use only. It is not recommended for commercial purposes.

LOCATION

Place the oven at a level location of your choice, but make sure there is at least 2.5 cm of space on the top and at the rear for proper ventilation. The top of the oven should be kept clear so that there is airflow for ventilation. An exhaust outlet is located on top of the oven. Blocking the outlet can damage the oven. It should be placed so that there is a safety distance of about 10cm between the edge of the installation position and the front of the door, in order to prevent the oven from falling down.

POWER CONNECTIONS

Power supply
Plug your oven into a standard 220 volt household outlet. Be sure the electrical circuit is capable of least 15 amps and that your microwave oven is the only appliance in the circuit.

NOTE: If your oven does not operate properly, unplug it from the 220 volt household outlet and then plug it back in again.

Earthing
For safety reasons the unit must be correctly earthed, in order to reduce the risk of injury in the event of a short circuit. The power cable is provided with a suitable plug, with which the unit must be connected to a regular earthed outlet.

COOKING UTENSILS

Most heat-resistant, non-metallic cooking utensils (e.g. glass, glass ceramic, and heat resistant glassware utensils) are excellent. Those with a metallic rim must not be used in a microwave oven. Microwaves cannot penetrate metal. They reflect from any metal object in the oven, as well as from the internal walls of the equipment, and cause a phenomenon that can be termed as sparking.

To find out whether pottery, stoneware or porcelain items (cooking utensils and serving dishes etc.) are safe, check them in the oven.

Place the utensil in question next to a glass measure filled with water in the microwave oven. Set the microwave to maximum power for 1 minute, if the water heats up, but the utensil remains cold to touch, the utensil is microwave-safe. However, if the water does not change temperature, but the utensil becomes warm, microwaves are being absorbed by the utensil and it is not safe for use in the microwave oven.

Any utensil used for microwave cooking must be capable of withstanding very high temperatures from the food.

There are many heat-resistant utensils made of paper or plastic available which can be used in both microwave and conventional ovens.

Metal containers and deep trays are not suitable. They reflect energy away from the food. Foil-lined cartons are similarly unsuitable.

NOTE: To ensure the even cooking of food that has thin and thick sections, shield the thinner pieces with aluminium foil. Make certain, however, that the foil is at least 2.5 cm away form the sides of the oven.

FACTORS AFFECTING COOKING TIMES

Starting temperature
The initial temperature of foods directly affects the length of time they must cook or be heated. As in a conventional oven, deep frozen food takes longer to cook than refrigerated food does, while food at room temperature cooks the quickest.

Moisture content of foods
Since microwaves are attracted by moisture, relatively dry foods such as roasts and some vegetables should either be sprinkled with water prior to cooking or covered so as to retain steam.

Size of foods
The smaller and more uniform the pieces of food in the oven, the better. It is also a good idea to microwave cut-up food in a roomy pan so that the microwaves can get to the pieces from all sides, thus ensuring even cooking.

Quantity of foods
The intensity of microwaves in your oven remains constant regardless of how much food is being cooked. Therefore, the more food you place in the oven, the longer the cooking time. Remember to decrease cooking times by at least one-third when halving a recipe.

Bone and fat content of foods
Bones conducts heat, and large amounts of fat attract microwave energy. Therefore, care must be taken when cooking bony or fatty cuts of meat that the meats do not cook unevenly and do not become overdone.

FACTORS AFFECTING COOKING TIMES (Cont.)

Shape of foods
Microwaves penetrate only about 1 inch (2.5 cm) into food, the interior portion of thick foods is cooked as the heat generated on the outside travels inward.

In other words, only the outer edge at any food is actually cooked by microwave energy, the rest is cooked by convection. It follows then, that the worst possible shape for a food that is to be microwaved is a thick square: the corners will burn long before the centre is even warm.

Round thin foods and ring-shaped foods microwave most successfully.

Cook chill foods
This type of food requires extra care when being prepared in a microwave oven. This is due to the fact that most package instructions are based on a particular oven. It is therefore important that you know the output power of your oven. If it is of a lower wattage than that stated on the packet, then adjustments to the cooking times will be required. INCREASE the cooking time by 1 minute and where possible stir each time, then leave it to stand at least 3 minutes.

IMPORTANT TIPS ON REHEATING FOOD

Stir foods regularly during the reheating process. If stirring is not possible, then rotate the food or dish or rearrange during the reheating time.

When reheating, observe the standing time recommended in cooking procedures to make maximum use of the microwave energy and to prevent overcooking of the reheated dish.

Cover foods when reheating with a layer of pricked cling film to retain moisture. If you are in any doubt about food losing moisture during reheating, wrap it in tight skin of cling film, piercing the cling film at a couple of places.

When reheating potatoes in their jackets, bread, pastries or moist foods, place them on a sheet of absorbent kitchen paper so that it may absorb the moisture during the reheating time.

When plating up meals for reheating, try to ensure that the food is arranged in an even layer.

The times in the reheating chart refer to foods at room temperature. Allow extra time if the food is chilled.

Arrange foods for reheating on the plate so that the thicker, denser and meatier portions are at the outer edge of the dish, where they will receive the maximum amount of energy, and the thinner areas at the centre where they will get less.

Attention: Please pay attention to the following points when heating Baby Food in bottles or glass containers. Generally remove the clouse of the containers and for good heat distribution stir or shake well after heating. Check carefully the temperature of the food before giving it to the child.

SAFETY PRECAUTIONS

Do not attempt to tamper with, or make any adjustments or repairs to the door, control panel, safety interface switchers or any other part of the oven. Repairs should only be undertaken by a qualified service technician.

Do not attempt to operate the oven with the door open since open door operation can result in harmful exposure to microwave energy.

Do not operate the oven when empty, it is best to leave a glass of water in the oven when not in use. The water will safely absorb all microwave energy, if the oven is accidentally started.

Do not dry clothes in the microwave oven, which may become carbonized or burned if heated too long.

Do not operate the oven with a kitchen towel, a napkin or any other obstruction between the door and the inner edges of the oven, which may cause microwave energy leakage.

Do not use recycled paper products since they may contain impurities which may cause sparks and/or fires when used in cooking.

Do not operate the oven if it is damaged. It is particularly important that the oven door closes properly and that there is no damage to the door hinges and latches (broken or loosened), door seals and sealing surfaces.

The oven must never be used if the door sealing is not in good working order.

SAFETY PRECAUTIONS (Cont.)

Remove the plastic wrapping from food before cooking or defrosting. Note though that in some cases food should be covered with plastic film for heating or cooking, as detailed in microwave cookbooks.

Do not use wooden containers. They may heat-up and char. Do not use metal containers or crockery containers which have metallic (e.g. gold or silver) inlays.

Always remove metal twist ties. Metal objects in the oven may arc, which can cause serious damage.

Small amounts of food require shorter cooking or heating time. If normal times are employed, they may overheat and burn.

Before cooking pierce the skin of potatoes or any such fruit or vegetable.

Do not cook eggs in their shell. Pressure will build up inside the egg and it will burst. Do not attempt deep fat frying in your oven.

When liquids are cooked in microwave units without visible bubbling, they may be overheated above their boiling point. When the container is removed, the shock may cause the sudden formation of steam bubbles. A fountain of hot liquid can spring up out of the container explosively.

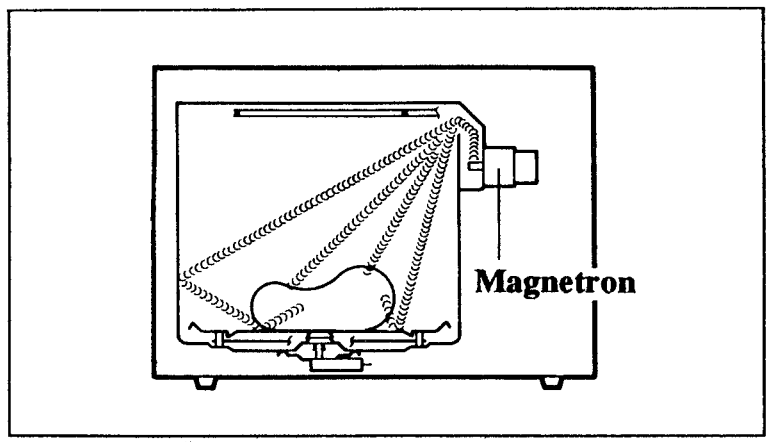
WARNING:

- Do not touch the front glass - this glass is very hot during heater operation.
- Please ensure cooking times are correctly set as overcooking may result in FIRE and subsequent DAMAGE to the oven.

MICROWAVE COOKING

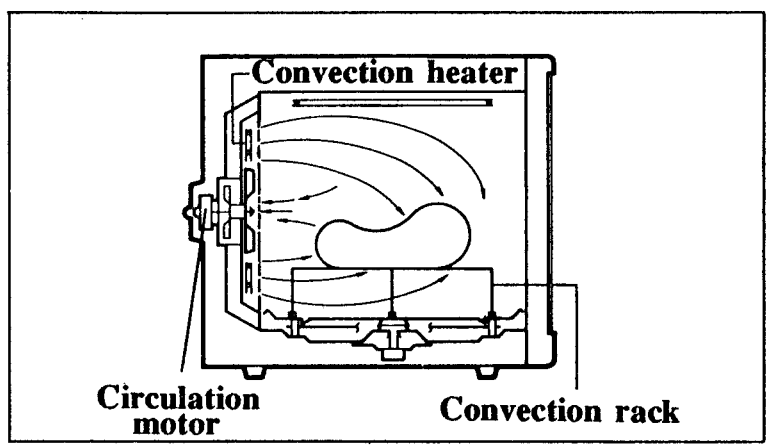
Using only the energy of microwaves, food is cooked quickly without altering its colour and shape. Microwaves generated by a magnetron enter the oven and cook the food evenly on a rotating table.

Power control can be adjusted in 11 steps which can enable a variety of foods to cook at a suitable power for the best results.



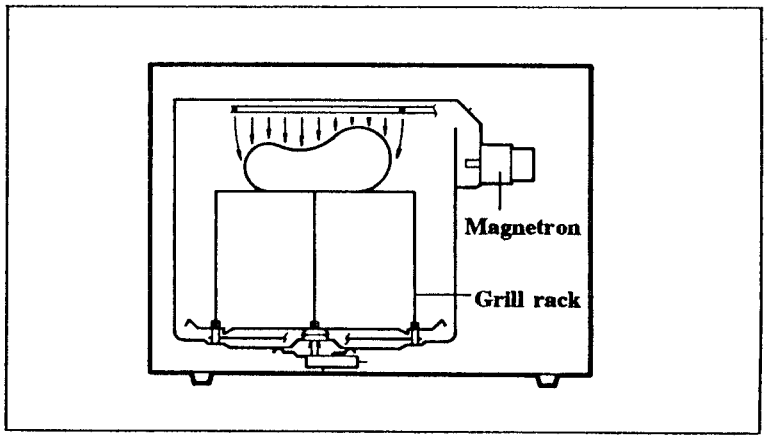
CONVECTION COOKING

This is a method of cooking with hot air from the convection heater situated at the rear of the oven. This method allows food to be browned evenly without losing any of the juices. Air heated by the heater is circulated in the oven by a fan. This enables the efficient heating and cooking of food. The temperature inside the oven can be controlled according to the type and weight of food being cooked.



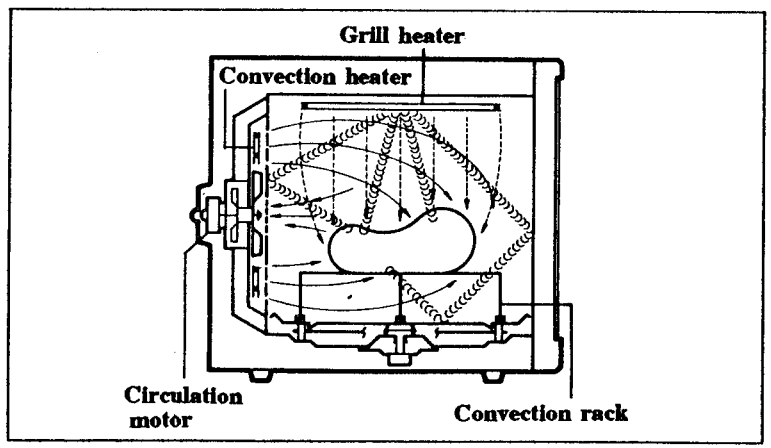
GRILL COOKING

This is a method of cooking with radiant heat form the grill heater on the top of the oven. This is a traditional way of cooking which quickly seals and browns food evenly. The temperature inside the oven is fixed at 180°C, which is the ideal grilling temperature for this oven.

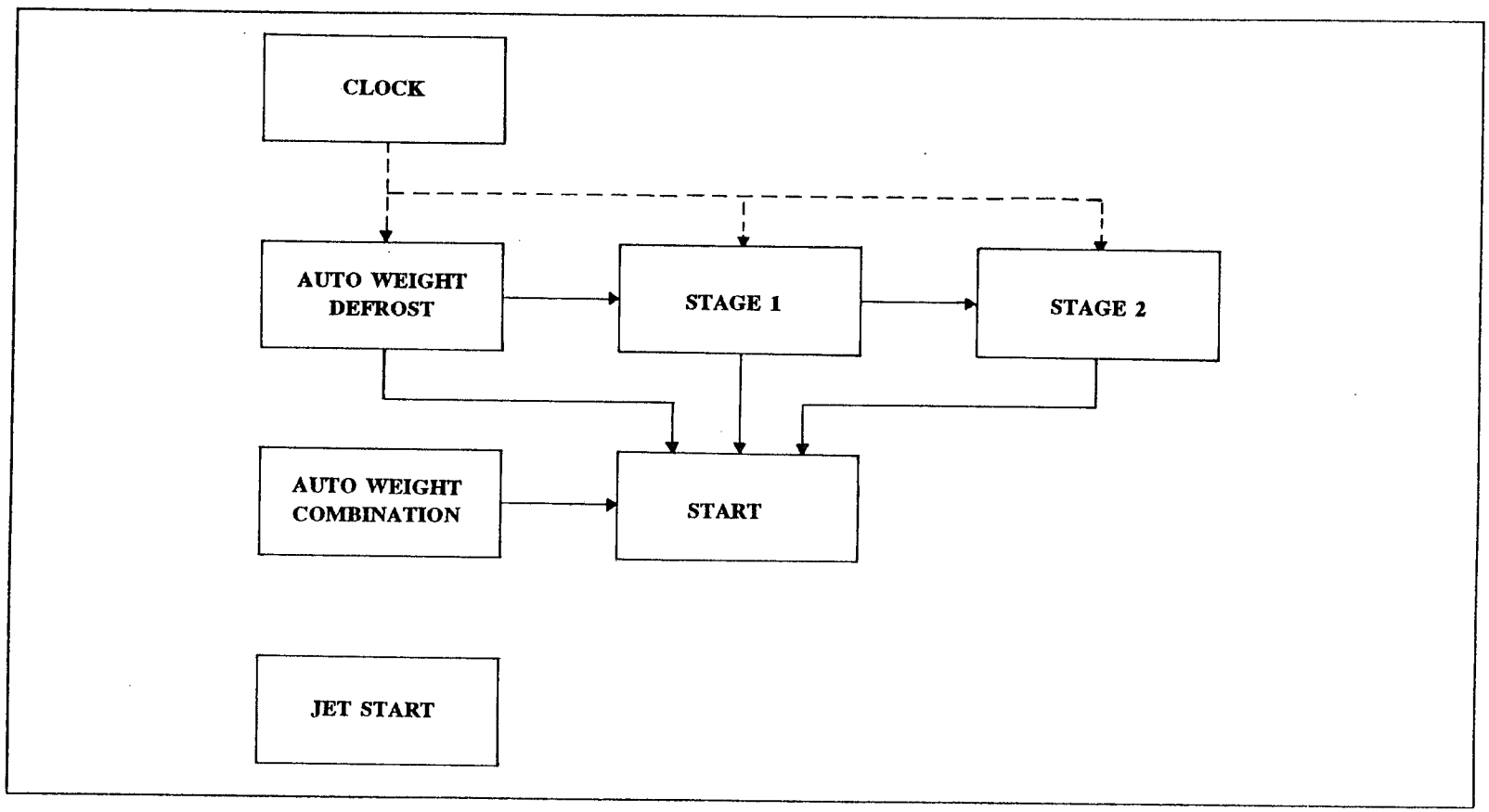


COMBINATION COOKING

Using a combination of microwaves, hot air and radiant heat, this solid state control can cook alternately, according to the cycles programmed. This efficient method of cooking fully utilizes the advantages of all three functions, giving quick results with a traditional appearance to your cooking.

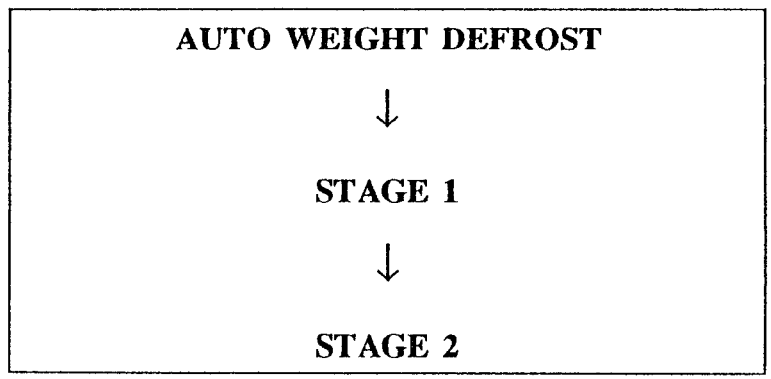


COOKING FLOW CHART



COOKING FLOW CHART (Cont.)

Cooking procedures have three sequential programs:



Cooking program can be partially and independently selected.

Example:

AUTO WEIGHT DEFROST	→	STAGE 1	→	STAGE 2
AUTO WEIGHT DEFROST	→	STAGE 1		
AUTO WEIGHT DEFROST				
STAGE 1	→	STAGE 2		
STAGE 1				
AUTO WEIGHT COMBINATION				
JET START				

SUMMARIZED OPERATING INSTRUCTIONS

Micro power cooking

1. Press the **TIME** button of **MICROWAVE CONTROL.**
2. Press the number buttons for the desired cooking time.
3. Press the **POWER** button of **MICROWAVE CONTROL.**
4. Press the number buttons for the desired cooking power.
5. Press the **START** button.

Convection cooking

1. Press **CONVECTION** of **HEATER CONTROL.**
2. Press number for desired oven temperature.
3. Press **TIME** of **HEATER CONTROL.**
4. Press numbers for desired cooking time.
5. Press **START.**

Grill cooking

1. Press the **GRILL** button of **HEATER CONTROL.**
2. Press the **TIME** button of **HEATER CONTROL.**
3. Press the number buttons for the desired combination category.
4. Press the **START** button.

Combination cooking

1. Press the **COMBINATION** button of **HEATER CONTROL.**
2. Press the number buttons for the desired combination category.
3. Press the **TIME** button of **HEATER CONTROL.**
4. Press the number buttons for the desired cooking time.
5. Press the **START** button.

SUMMARIZED OPERATING INSTRUCTIONS (Cont.)

Auto weight defrost

1. Press the **DEFROST** button of **AUTO WEIGHT CONTROL.**
2. Press the number buttons for the desired category of **AUTO WEIGHT DEFROST.**
3. Press the **WEIGHT** button of **AUTO WEIGHT CONTROL.**
4. Press the number buttons for the desired cooking weight.
5. Press the **START** button.

Auto weight combination cooking

1. Press the **COMBI COOK** button of **AUTO WEIGHT CONTROL.**
2. Press the number buttons for the desired category of **AUTO WEIGHT DEFROST.**
3. Press the **WEIGHT** button of **AUTO WEIGHT CONTROL.**
4. Press the number buttons for the desired cooking weight.
5. Press the **START** button.

Jet start

1. Press the number buttons **1, 2, 3, 4, 5** or **6.**

Two-stage cooking (micro power)

1. Press the **TIME** button of **MICROWAVE CONTROL.**
2. Press the number buttons for the desired cooking time.
3. Press the **POWER** button of **MICROWAVE CONTROL.**
4. Press the number buttons for the desired cooking power.
5. Press the **TIME** button of **MICROWAVE CONTROL.**
6. Press the number buttons for the desired cooking time.
7. Press the **POWER** button of **MICROWAVE CONTROL.**
8. Press the number buttons for the desired cooking power.
9. Press the **START** button.

Regular timer

1. Press the **TIME** button of **MICROWAVE CONTROL.**
2. Press numbers for desired time period.
3. Press **POWER** of **MICROWAVE CONTROL.**
4. Press number 0.
5. Press **START.**

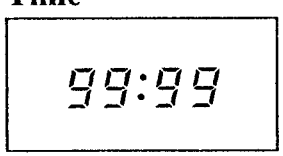
MORE OPERATING TIPS

Beep Sound
The beep sound is activated under the following conditions:

- when the control key is pressed — 1 beep
- when the cooking stage is changed — 2 beeps
- when the preheat has ended and the holding time has begun — 2 beeps
- when the cooking has ended — 3 beeps
- when an error occurs — 3 beeps
- when the first power level stage has ended during auto weight defrost operation — 5 beeps

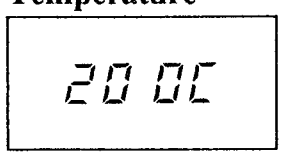
Digital readout display

Time



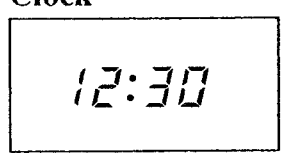
Example:
99 min, 99 sec

Temperature



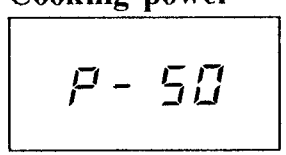
Example:
200°C

Clock



Example:
12 h 30 min

Cooking power



Example:
cooking power 50

MORE OPERATING TIPS (Cont.)

Microwave cooking power

The microwave cooking power can be chosen from any of the 10 cooking powers listed below. If cooking power is not programmed, the oven operates at cooking power HI.

Touch pad numbers	Cooking power	%	Microwave emission time (sec/cycle)	
			ON	OFF
1	10	10	4	18
2	20	20	6	16
3	30	30	8	14
4	40	40	10	12
5	50	50	12	10
6	60	60	14	8
7	70	70	16	6
8	80	80	18	4
9	90	90	20	2
	HI	100	22	0

COOKING GUIDE

Micro power cooking
Some foods with a high moisture content or that need fast cooking to maintain their natural flavor and texture are best when cooked by using microwave power only. If foods need slower cooking in order to give the best results, you can change the cooking power. There are 10 cooking powers. See page 28 for further information.

Convection cooking
Some foods are best when cooked by using convection heat. The oven has a heating element to give the dry heating needed to produce crisp brown exteriors. Convection cooking temperatures range from 150°C to 250°C. See page 31 for further information.

Grill cooking
Some foods are better cooked by the grill using radiant heat. This method of cooking seals and slightly browns the food. The grill cooking temperature is fixed at 180°C which is the ideal grilling temperature. See page 36 for further information.

Combination cooking
The oven combines the best features of microwave, grill and convection cooking. Cook foods with speed and accuracy while roasting and evenly browning the to juicy, tender perfection. See page 40 for further information.

COOKING GUIDE (Cont.)

Auto weight combination cooking
This feature allows you to cook meat or poultry by weight in combination using microwave, grill and convection. Choose the cooking category and program in the weight of the food. Weight can be programmed in kilograms and tenth of a kilogram. Press this pad to select the appropriate cooking category of 1 to 7. The categories for weight cooking and maximum weights are as follows:

Category	Food	Minimum weight	Maximum weight
AC-1	beef - rare	0.1kg	2.9kg
AC-2	beef - medium	0.1kg	2.9kg
AC-3	beef - welldone	0.1kg	2.9kg
AC-4	lamb - medium	0.1kg	2.9kg
AC-5	lamb - welldone	0.1kg	2.9kg
AC-6	pork	0.1kg	2.9kg
AC-7	turkey & chicken	0.1kg	5.9kg

See page 43 for further information.

Auto weight defrost
This feature allows you to defrost sea food, meat or poultry. There are **MEAT (DEF 1)**, **POULTRY (DEF 2)**, and **FISH (DEF 3)** categories in the auto weight defrost mode, which can defrost food with the weight of the defrosting food input. The way of using each category is to press the defrost key and then a numeral key (**1**, **2** or **3**). The cooking power will automatically be fixed in proportion to the time.

Regular timer
Your oven also has a timer that you can use to time any activity, for example, mixing time, cooking time, etc. This timer function will not turn on your oven. See page 24 for further information.

Jet start
Jet start is used to warm some foods briefly for up to 6 min. With one touch, **MICRO POWER** (cooking power HI) starts conveniently. See page 27 for further information.

COOKING GUIDE (Cont.)

Two-stage cooking

Some recipes need more than one cooking stage. Many foods will cook better when cooked for another period of time at a different power setting. You can preset both stages at the beginning, start the oven, and then the oven will change automatically into the second stage at the preset time. See page 49 for further information.

STOP/CLEAR

When the **STOP/CLEAR** button is pressed once during oven operation, the oven will stop operating temporarily. If **STOP/CLEAR** is pressed once again, the programmed data will be cancelled. But if you want to continue to operate the oven after the oven stops, you can press the **START** key. If **STOP/CLEAR** is pressed during jet start operation, the jet start function comes to an end.

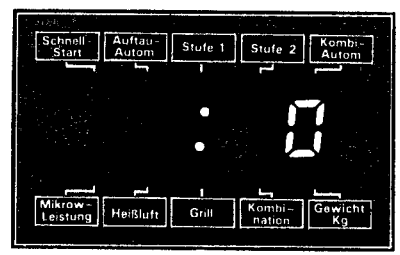
Opening the door

Opening the door during cooking will stop the cooking progress without clearing the program. Cooking resumes if the door is closed and **START** is pressed. The oven light will turn on when the door is opened. When the door is closed, the oven light will turn off. During oven operation the oven light will turn on.

TO SET THE TIME OF DAY

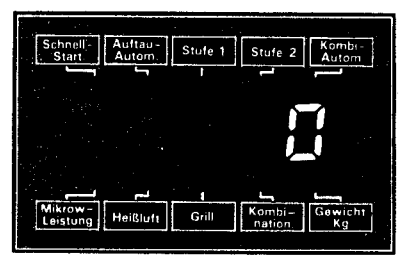
The electronic digital clock will operate as long as power is applied to the oven. Let's enter the time and operate the clock.

1. When the oven is plugged in, the display window will show zero (:0).



2. Press **CLOCK**. The colon will disappear.

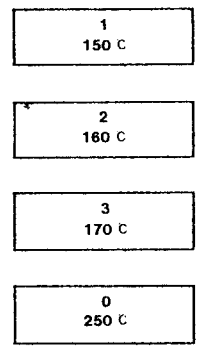
Clock

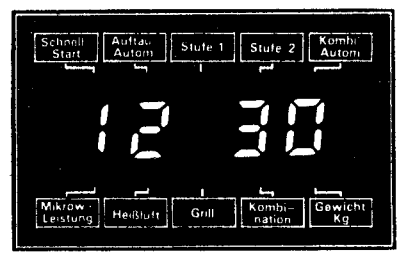


TO SET THE TIME OF DAY (Cont.)

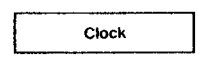
3. Press the number buttons for the correct time of day. The selected time of day will appear on the display window.

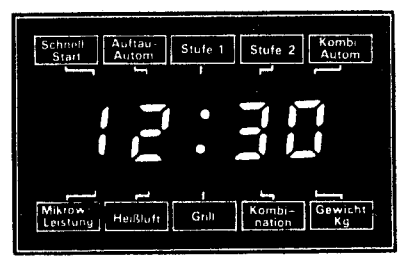
   Example: To set 12:30, press **1 2 3** and **0** in sequence.





4. Press **CLOCK** again. The colon will appear without blinking, and the time is now set.





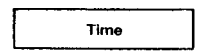
TO SET THE TIME OF DAY (Cont.)

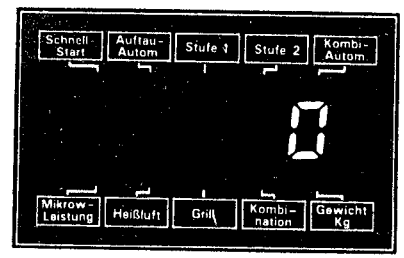
NOTES:

- If your oven does not operate properly, unplug the oven from the 220 volt household outlet and then plug it back in again.
- To insert the time of day on the display window, press the **CLOCK** button again. The colon will disappear. Enter the correct time of day by following the above procedure.
- The oven will operate even though the time of day is not set.
- If the time of day is not set, nothing will show in the display window when the **CLEAR** button is pressed.
- The time of day can only be set from 1:00 to 12:59. Invalid setting causes **E** to appear on the display window and two short beeps and one long beep will sound. Only the **CLEAR** button can be operated while an error condition exists.
- If you accidentally press more than 4 numbers, the last 4 numbers you have pressed will appear on the display window.
- If a momentary power failure occurs, the clock display returns to **:0**. If this occurs, please reset the clock.
- If the **CLEAR** button is pressed or the door is opened after cooking, the time of day will appear on the display window.

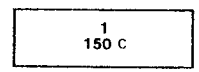
REGULAR TIMER

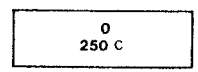
1. Press the **TIME** button of **MICROWAVE CONTROL**. The time of day will disappear, 0 will appear and the **STAGE 1** indicator light will blink on the display window.

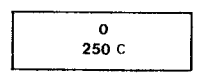


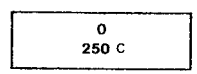


2. Press the number buttons for the desired time. The selected time will appear on the display window.

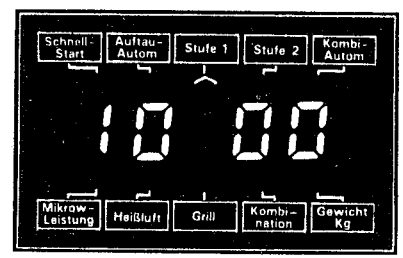








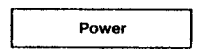
Example: To set 10 minutes, press **1 0 0** and **0** in sequence.

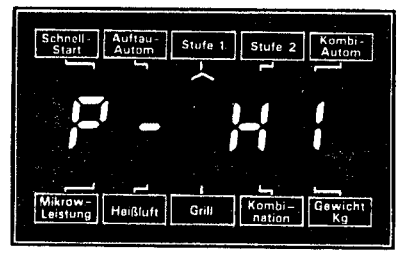


NOTE: The time can be set for 99 min 99 sec for **STAGE 1**. It is possible to set the time for a longer period by utilizing **STAGE 2**.

REGULAR TIMER (Cont.)

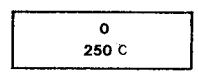
3. Press the **POWER** button of **MICROWAVE CONTROL**. **P-HI** will appear on the display window.

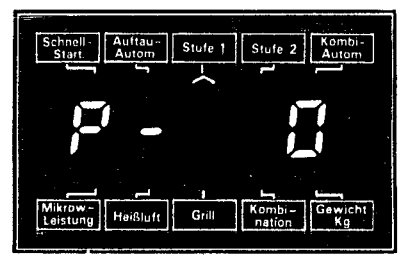




4. Press **0**. **P-HI** will disappear and **P-0** will appear on the display window.

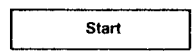
NOTE: If **0** is pressed once more, **P-HI** will reappear in the display window.

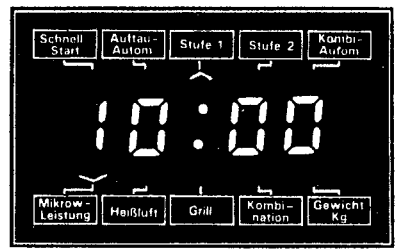




REGULAR TIMER (Cont.)

5. Press the **START** button.



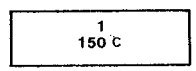


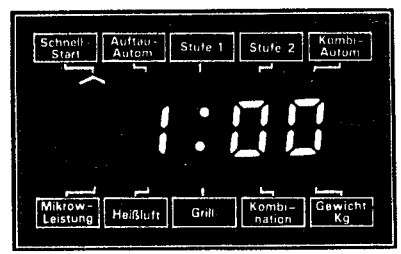
No microwave activity will occur. The **STAGE 1** indicator light will stop blinking and the **MICRO POWER** indicator light will turn on. The display window will alternately show the selected time counting down in seconds for 8 sec, and **P-0** for 2 sec.

When the selected time has elapsed, two short beeps and one long beep will sound. The **STAGE 1** indicator light and the **MICRO CONTROL** indicator light will turn off. **END** will appear in the display window.

JET START

Press **1**, **2**, **3**, **4**, **5**, or **6**. Microwave (cooking power HI) activity will start. **JET START** indicator light and oven light will turn on. The time of day will disappear. The selected minutes will appear and count down second by second in the display window.





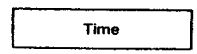
When cooking time is completed, the oven will automatically switch itself off with two short and one long beep sons. **JET START** indicator light and oven light will turn off. **END** will show in the display window.

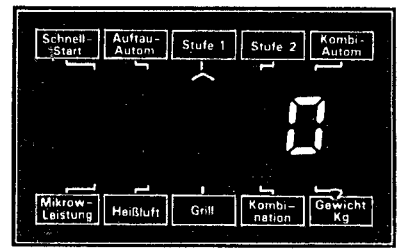
Example: To set jet start for 1 minute, press **1**.

NOTE: When jet start is selected, **CLEAR** must always be pressed before selection.

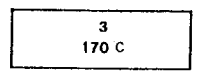
MICRO POWER COOKING

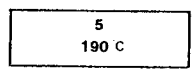
1. Press **TIME** of **MICROWAVE CONTROL**. The time of day will disappear, 0 will appear and **STAGE 1** indicator light will blink in the display window.

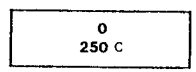


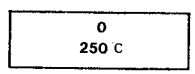


2. Press numbers for desired cooking time. The selected cooking time will show in the display window.

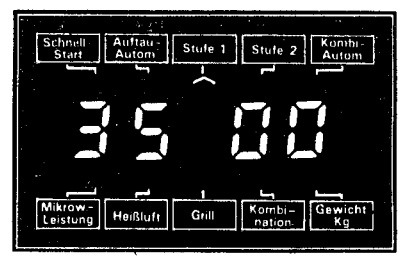






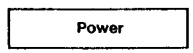


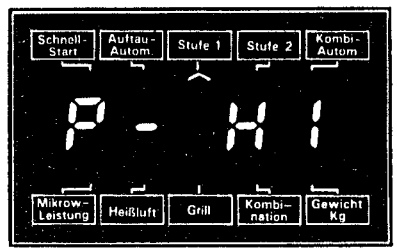
Example: To set 35 minutes, press 3 5 0 and **0** in sequence.



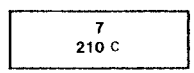
MICRO POWER COOKING (Cont.)

3. Press **POWER** of **MICROWAVE CONTROL**. **P-HI** will show in the display window and **STAGE 1** indicator light will blink in the display window.



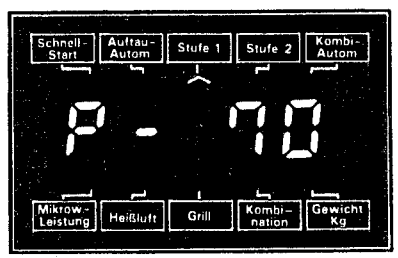


4. Press number for desired cooking power. The selected cooking power will appear in the display window.



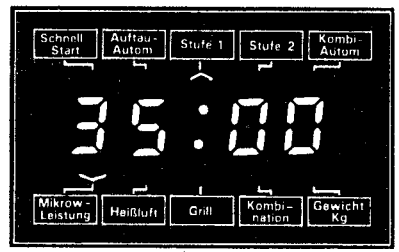
Example: To set cooking power 7, press **7**.

NOTE: If you want to cook with cooking power HI, don't press any number.



MICRO POWER COOKING (Cont.)

5. Press **START**.



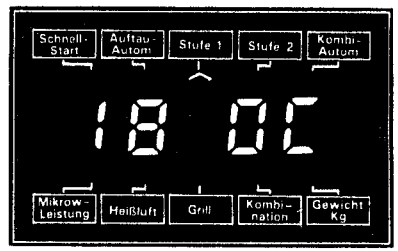
The oven will begin to cook. Oven light and **MICRO POWER** indicator light will turn on. **STAGE 1** indicator light will stop blinking. The display window will alternately show the selected cooking time counting down for 8 sec and the selected cooking power for 2 sec.

When the cooking time is completed, two short beeps and one long beep will sound, and the oven will switch itself off, **STAGE 1** indicator light and **MICRO POWER** indicator light will turn off. **END** will appear in the display window.

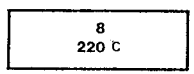
CONVECTION COOKING

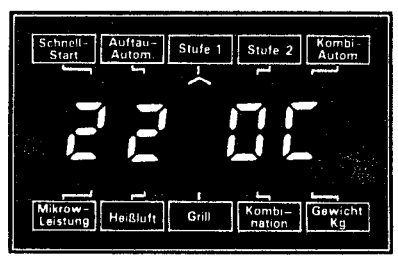
To preheat

1. Press the **CONVECTION** button. The time of day will disappear, 180°C will appear and the **STAGE 1** indicator light will blink on the display window.



2. Press a number button for the desired preheating temperature. The selected temperature will appear in the display window.





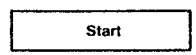
Example: If the recipe calls for preheating at 220°C, press **8**.

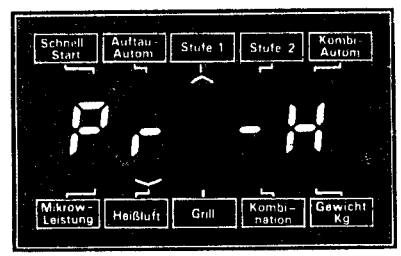
NOTE: It is not necessary to press a number button if you want to preheat at 180°C.

CONVECTION COOKING (Cont.)

3. Press the **START** button.

   The oven will begin to preheat. **PR-H** will appear in the display if the oven temperature is lower than the set temperature. The oven light and the **CONVECTION** indicator light will turn on. The **STAGE 1** indicator light will stop blinking. When the oven temperature has reached the selected temperature, two beeps will sound, and **PR-H** will disappear and the automatic holding time will appear in the display window.





NOTES:

- When the oven is preheating, both the grill and convection heating elements will be on. This is to ensure that the oven reaches its desired temperature, in the shortest time possible. Once the desired temperature is reached, then the oven will automatically revert back to the normal condition, i.e. grill or convection only.

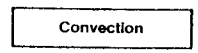
- When the oven is preheated, food may be placed in the oven and the oven may be programmed. If the oven door is not opened, the oven will automatically begin to hold operation at 180°C for 15 minutes.

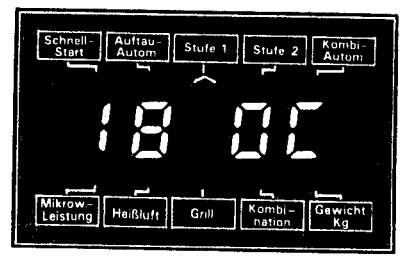
- The display window will show the holding time counting down. After this time has elapsed, two short beeps and one long beep will sound, and the oven will turn off. The **STAGE 1** indicator light and the **CONVECTION** indicator light will turn off. **END** will appear on the display window. If the door is opened or **STOP/CLEAR** is pressed before the set temperature is reached **PR-H** will show on the display window continuously.

CONVECTION COOKING (Cont.)

To cook

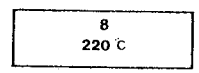
1. Press the **CONVECTION** button. The time of day will disappear, 180°C will appear and the **STAGE 1** indicator light will blink on the display window.

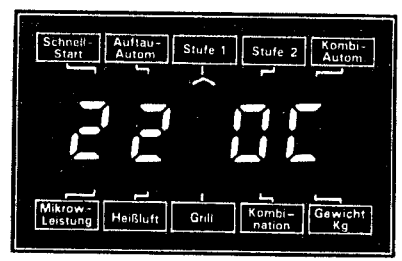




2. Press a number button for the desired oven temperature. The selected temperature will appear on the display window.

   Example: If the recipe calls for cooking at 220°C, press **8**.

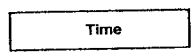


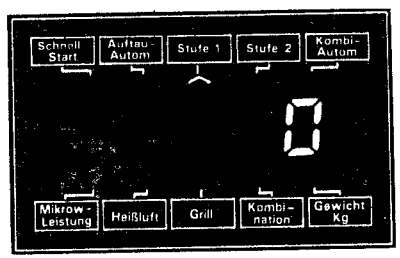


   NOTE: It is not necessary to press a number button if you want to cook at 180°C.

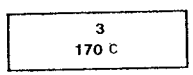
CONVECTION COOKING (Cont.)

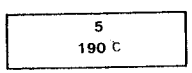
3. Press the **TIME** button. **0** will show on the display window.

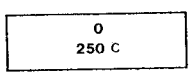


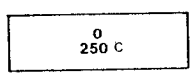


4. Press the number buttons for the desired cooking time. The selected cooking time will show in the display window.

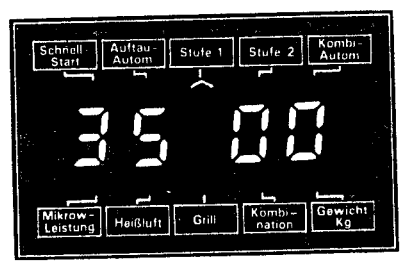






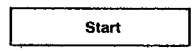


Example: To set 35 minutes, press **3 5 0** and **0** in sequence.

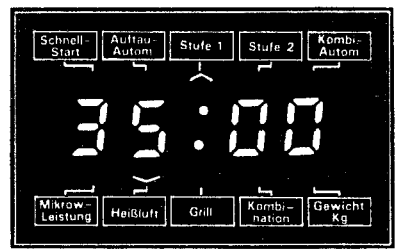


CONVECTION COOKING (Cont.)

5. Press the **START** button.



The oven will begin to cook. The oven light and the **CONVECTION** indicator light will turn on. The **STAGE 1** indicator light will stop blinking.

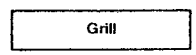


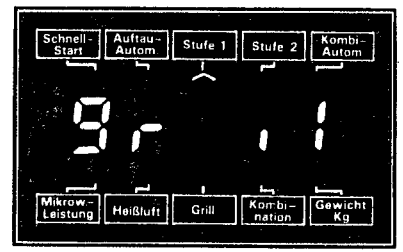
NOTE: However, if the oven temperature is higher than 150°C, the oven temperature will appear on the display window. When the cooking time is completed, two short beeps and one long beep will sound, and the oven will switch itself off. The **STAGE 1** and the **CONVECTION** indicator lights will turn off. **END** will appear on the display window.

GRILL COOKING

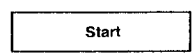
To preheat

1. Press the **GRILL** button. The time of day will disappear. **GRILL** will appear and the **STAGE 1** indicator light will blink on the display window.



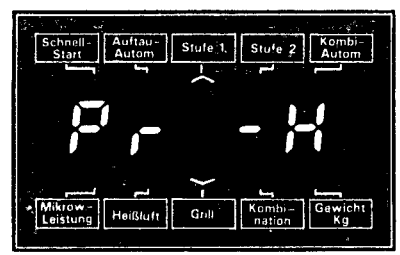


2. Press the **START** button.



The oven will begin to preheat. **PR-H** will appear on the display if the oven temperature is lower than the set temperature. The oven light and the **GRILL** indicator light will turn on. The **STAGE 1** indicator light will stop blinking.

When the oven temperature has reached the selected temperature, two beeps will sound, and **PR-H** will disappear and the automatic holding time will appear in the display window.



GRILL COOKING (Cont.)

NOTES:

- When the oven is preheating, both the grill and convection heating elements will be on. This is to ensure that the oven reaches its desired temperature, in the shortest time possible. Once the desired temperature is reached, then the oven will automatically revert back to the normal condition, i.e. grill or convection only.

- When the oven is preheated, food may be placed in the oven and the oven may be programmed.

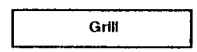
- The display window will show the holding time counting down. After this time has elapsed, two short beeps and one long beep will sound, and the oven will turn off. The **STAGE 1** indicator light and the **GRILL** indicator light will turn off. **END** will appear on the display window. If the door is opened or **STOP/CLEAR** is pressed before the set temperature is reached, **PR-H** will show on the display window continuously.

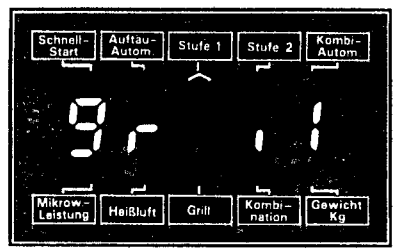
- The grill cooking function is programmed to keep at 180°C. It is impossible to change temperature.

GRILL COOKING (Cont.)

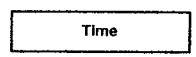
To cook

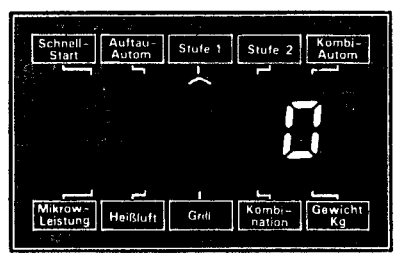
1. Press the **GRILL** button. The time of day will disappear, **GRILL** will appear and the **STAGE 1** indicator light will blink in the display window.





2. Press the **TIME** button. **0** will show on the display window.

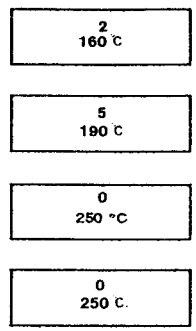


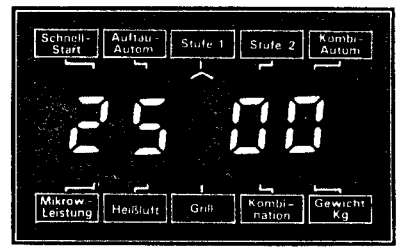


GRILL COOKING (Cont.)

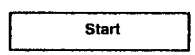
3. Press the number buttons for the desired cooking time. The selected cooking time will show on the display window.

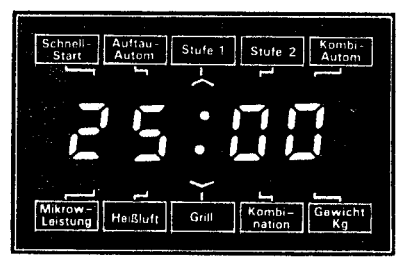
   Example: To set 25 minutes, press **2 5 0** and **0** in sequence.





4. Press the **START** button. The oven will begin to cook. The oven light and the **GRILL** indicator light turn on. The **STAGE 1** indicator light will stop blinking.

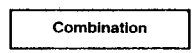


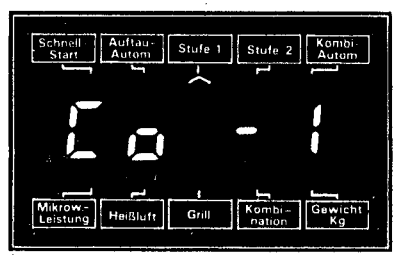


   NOTE: The display window will alternately show the selected cooking time counting down for 8 sec and **GRILL** for 2 sec. When the cooking time is completed, two short beeps and one long beep will sound, and the oven will switch itself off. The **STAGE 1** and **GRILL** indicator lights will turn off. **END** will appear on the display window.

COMBINATION COOKING

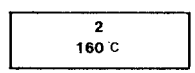
1. Press the **COMBINATION** button of **HEATER CONTROL**. The time of day will disappear, **CO-I** will appear and **STAGE 1** indicator will blink in the display window.

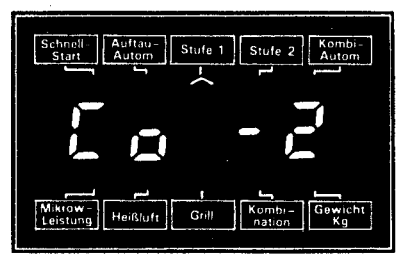




2. Press a number button for the desired combination category. The selected combination category will appear in the display window.

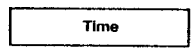
   Example: To select combination category, press **2**.

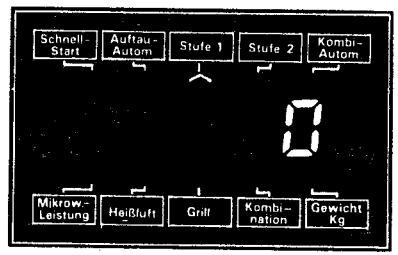




COMBINATION COOKING (Cont.)

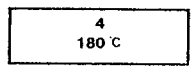
3. Press the **TIME** button of **HEATER CONTROL. 0** will show on the display window.

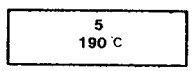


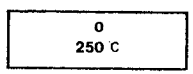


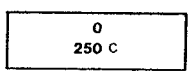
4. Press the number buttons for the desired cooking time. The selected cooking time will show on the display window.

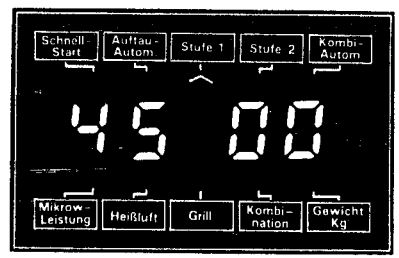
Example: To set 45 minutes, press **4 5 0** and **0**.





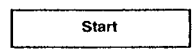


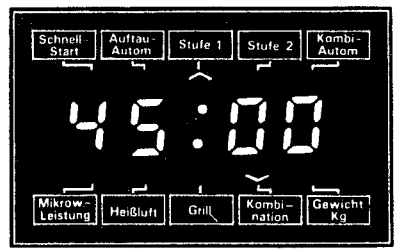




COMBINATION COOKING (Cont.)

5. Press the **START** button.



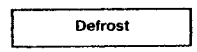


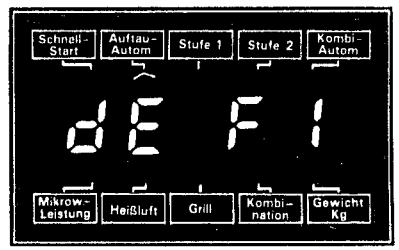
Combination cooking will begin. The oven light and **COMBI** indicator will turn on. The **STAGE 1** indicator will stop blinking. The display window will alternately show the selected cooking time counting down for 8 sec and combination category number for 2 sec.

When the cooking time is completed, two short beeps and one long beep will sound, and the oven will switch itself off. The **STAGE 1** indicator and the **COMBI** indicator will turn off. **END** will appear on the display window.

AUTO WEIGHT DEFROST

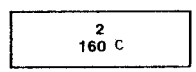
1. Press the **DEFROST** button of **AUTO WEIGHT CONTROL**. The time of day will disappear, **dEF-1** will appear and the **AUTO DEF** indicator light will blink in the display window.

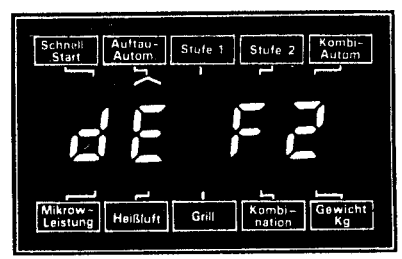




2. Press a number button for the desired category of auto weight defrost. The selected category of auto weight defrost will appear on the display window.

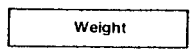
   Example: To select the auto weight defrost category, press **2**.

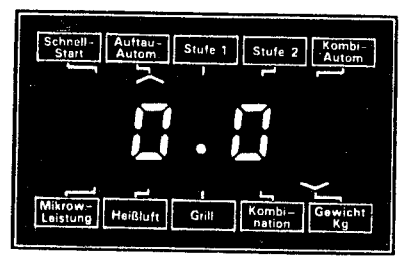




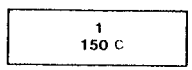
AUTO WEIGHT DEFROST (Cont.)

3. Press the **WEIGHT** button of **AUTO WEIGHT CONTROL. 0.0** and **KG** will appear.

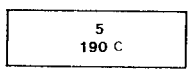


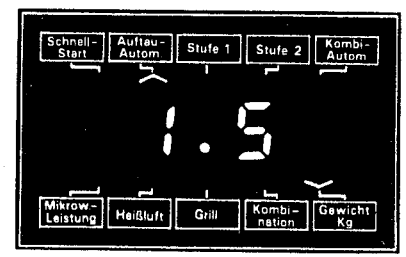


4. Press the number buttons for the desired cooking weight. The selected weight will show on the display window.



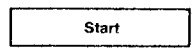
Example: To set 1.5kg, press **1** and **5** in sequence.

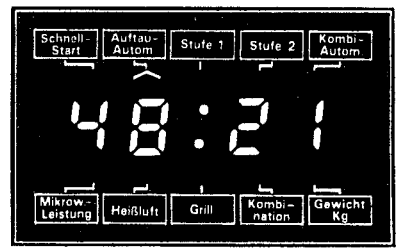




AUTO WEIGHT DEFROST (Cont.)

5. Press the **START** button.





Defrost will begin. Microwave activity will start and the oven light will turn on. The **AUTO DEF** indicator light will stop blinking and the **KG** indicator will turn off. The preprogrammed defrost time will automatically begin to count down.

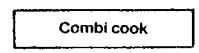
When the defrost time is completed, the oven will automatically switch itself off and two short beeps and one long beep will sound. The **AUTO DEF** indicator light and the oven light will turn off. **END** will appear in the display window.

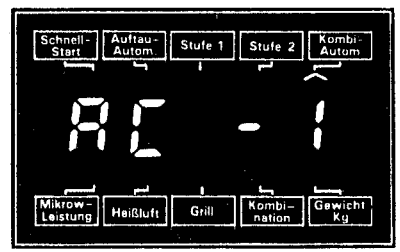
NOTES:

- If you enter a number that exceeds the acceptable weight, **E** will appear on the display window. This indicates an error and the oven does not operate.
- When the first power level stage has ended during auto weight defrost operation, five beeps will sound.

AUTO WEIGHT COMBINATION COOKING

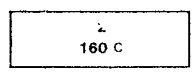
1. Press the **COMBI COOK** button of **AUTO WEIGHT CONTROL**. The time of day will disappear, **AC-1** will appear and the **AUTO COMBI** indicator will blink in the display window.

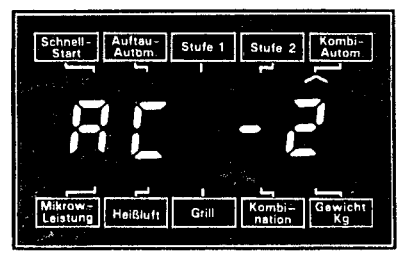




2. Press a number button for the desired category of auto weight combination. The selected category of auto weight combination will appear on the display window.

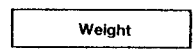
   Example: To select an auto weight combination category, press **2**.

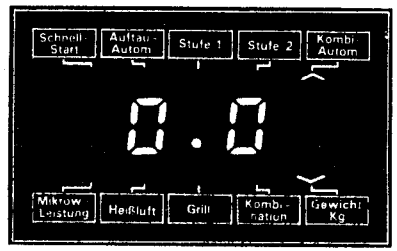




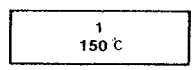
AUTO WEIGHT COMBINATION COOKING (Cont.)

3. Press the **WEIGHT** button of **AUTO WEIGHT CONTROL. 0.0** and **KG** will appear.

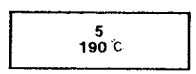




4. Press the number buttons for the desired cooking weight. The selected weight will show on the display window.

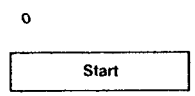


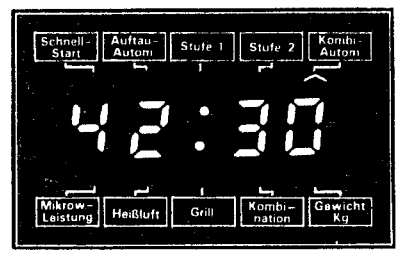
Example: To set 1.5kg, press **1** and **5** in sequence.



AUTO WEIGHT COMBINATION COOKING (Cont.)

5. Press the **START** button.





Auto weight combination cooking will begin. The oven light will turn on, the **AUTO COMBI** indicator will stop blinking and the **KG** indicator will turn off. The preprogrammed cooking time will automatically begin to count down.

When the auto weight combination cooking is completed, the oven will automatically turn off and two short beeps and one long beep will sound. The **AUTO COMBI** indicator light and the oven light will turn off. **END** will appear in the display window.

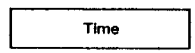
NOTES:

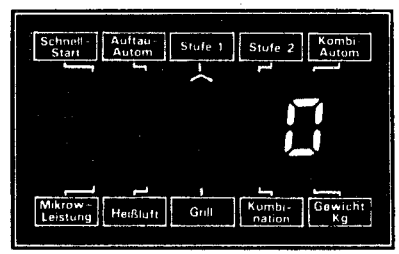
- If you enter a number that exceeds the acceptable weight, **E** will appear on the display window. This indicates an error and the oven does not operate.
- If you press **WEIGHT** of **AUTO WEIGHT CONTROL**, the cooking data already entered at each stage is cancelled.
- If you reprogram a certain cooking function or auto weight combination function after programming auto weight combination data, any previously programmed auto weight combination data will be cancelled.

TWO-STAGE COOKING

First stage

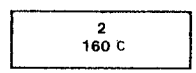
1. Press the **TIME** button of **MICROWAVE CONTROL**, or the **COMBINATION**, **CONVECTION** or **GRILL** buttons of **HEATER CONTROL**. The time of day will disappear, **0**, **Co-I**, **180 C** or **GRIL** will appear and the **STAGE 1** indicator will blink on the display window.

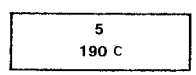


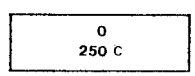


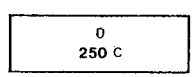
Example: To set micro power cooking, press **TIME** of **MICROWAVE CONTROL**.

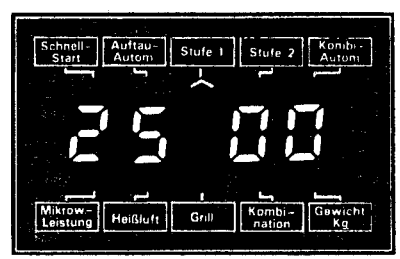
2. Press the number buttons for the desired cooking time of the first cooking stage. The selected time will show on the display window.







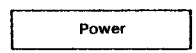


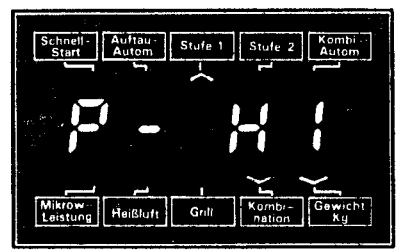


Example: To set 25 minutes, press **2 5 0 0** in sequence.

TWO-STAGE COOKING (Cont.)

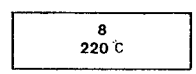
3. Press the **POWER** button of **MICROWAVE CONTROL**. **P-HI** will show on the display window.

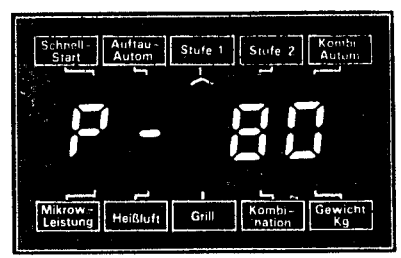




4. Press a number button for the cooking power of the first cooking stage. The selected cooking power will appear on the display window.

   Example: To set the cooking power to 80, press **8**.





NOTES:

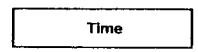
- If you want to set the cooking power to HI for micro power cooking, don't press any numbers at all.
- If you want to set 180°C for convection cooking, don't press any numbers at all.

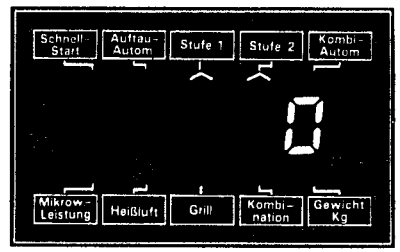
TWO-STAGE COOKING (Cont.)

Second stage

5. Press the **TIME** button of **MICROWAVE CONTROL**, or the **COMBINATION, CONVECTION** or **GRILL** buttons of **HEATER CONTROL**. The first cooking time or power will disappear and **O, Co-I, 180 C** or **GRIL** will appear. The **STAGE 1** indicator light will stop blinking and the **STAGE 2** indicator light will blink.

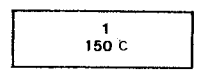
   Example: To set micro power cooking, press **TIME** of **MICROWAVE CONTROL**.

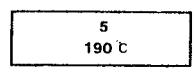


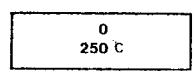


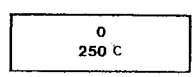
6. Press the number buttons for the desired cooking time of the second cooking stage. The selected time will show on the display window.

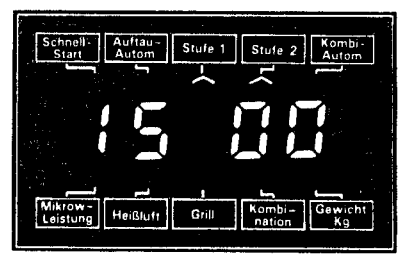
   Example: To set 15 minutes, press **1 5 0 0** in sequence.





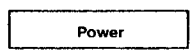


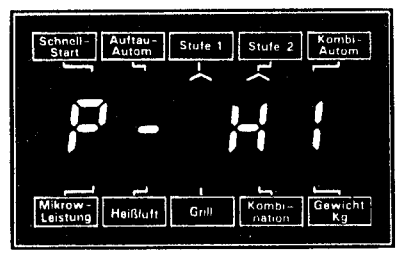




TWO-STAGE COOKING (Cont.)

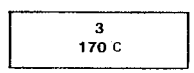
7. Press the **POWER** button of **MICROWAVE CONTROL**. **P-HI** will show on the display window.

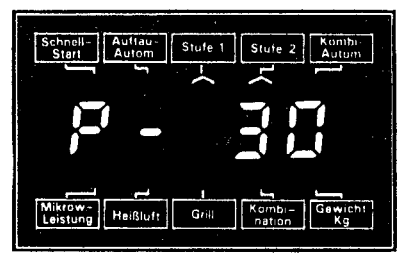




8. Press a number button for the cooking power of the second cooking stage. The selected cooking power will appear on the display window.

   Example: To set the cooking power to 30, press **3**.





NOTES:

- If you want to set the cooking power to HI for micro power cooking, don't press any numbers at all.
- If you want to set 180°C for convection cooking, don't press any numbers at all.

TWO-STAGE COOKING (Cont.)

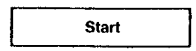
9. Press the **START** button. The first stage will begin.

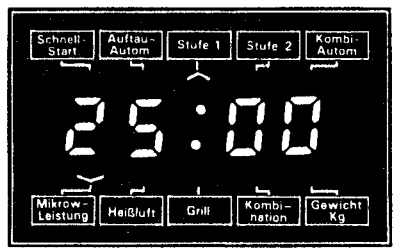
The second cooking power will disappear and the first cooking time will show on the display window. The oven light and the **MICRO POWER** indicator light will turn on. The **STAGE 2** indicator will turn off.

The display window will alternately show the first cooking time counting down for 8 sec and the first cooking power for 2 sec.

When the first cooking time is completed, two short beeps will sound, and the **STAGE 1** indicator will turn off. The **STAGE 2** indicator light will turn on, and the second stage starts automatically. The oven will then begin to cook at the second cooking power.

The display window will alternately show the second cooking time counting down for 8 sec and the second cooking power for 2 sec.





When the second cooking time is completed, two short beeps and one long beep will sound, and the oven will turn itself off. The **STAGE 2** indicator light and the **MICRO POWER** indicator light will turn off. **END** will show on the display window. The oven will have finished the two stages at this time.

Two-stage cooking with auto weight defrost If you want to cook after using auto weight defrost, set the auto weight defrost before setting the above two-stage cooking, and then follow the above instructions numbered 1-9. See page 43 for detailed instructions on auto weight defrost. The cooking process can be set to up to three stages when auto weight defrost is one of the stages.

CLEANING

BE SURE THE OVEN IS TURNED OFF BEFORE CLEANING.
(UNPLUG THE MAINS PLUG!)

Interior
Food remains or spilled liquids easily remain stuck on the oven walls or between door seals and surfaces. They should be removed as soon as possible, as they absorb microwave energy and thereby lengthen cooking time.

Remove any crumbs and food remains between the door and oven using a damp cloth. This area has to be particularly well cleaned to ensure the door is shut properly. Remove any grease splashes with a soapy cloth, then rinse and dry. Do not use any cleaning cloth or pad, or cleaning compound that is abrasive.

The turntable can be cleaned by hand or in the dish washer.

Exterior
Clean the outer cabinet with mild soap and warm water, rinse and dry with a soft cloth. Do not spill water in the vents.

Open the oven door when cleaning the control panel so that the oven is not turned on accidentally. Clean it using a damp cloth and wipe it dry straight away.

If steam condenses on the inner door or outer sides of the door, wipe it using a damp cloth. Steam condensation can occur if the microwave oven is used in high humidity. This does not indicate an oven malfunction.

QUESTIONS AND ANSWERS

Question	Answer
What's wrong when the oven light will not glow?	o Light bulb is burned out. o Door is not closed. o **START** has not been pressed.
Why is steam coming out of the air exhaust vent?	Steam is normally produced during cooking. The microwave oven has been designed to vent this steam through the top vent.
Does microwave energy pass through the viewing screen on the door?	No. The metal screen reflects the energy to the oven cavity. The holes, or ports are made to allow light to pass through; they do not let microwave energy through.
Why does the beep sound when a button on the control panel is pressed?	The beep signal confirms that the setting has been entered.

QUESTIONS AND ANSWERS (Cont.)

Question	Answer
Will the microwave oven be damaged if it is operated while empty?	Yes. Never run it empty.
Why do eggs pop sometimes?	When baking, frying, or poaching eggs, the yolk may pop due to steam build up inside the yolk membrane. To prevent this, simply pierce the yolk with a toothpick before cooking. Never microwave eggs in their shells.
Why is a standing time recommended after the cooking operation has been completed?	Standing time is very important. With microwave cooking, the heat is in the food, not in the oven. Many foods build up enough internal heat to allow the cooking process to continue, even after the food has been removed from the oven. Standing time for joints of meat, large vegetables and cakes is to allow the inside to cook completely, without overcooking the outside.

QUESTIONS AND ANSWERS (Cont.)

Question	Answer
Why does my oven not always cook as fast as the microwave cook book says?	Check your cook book again, to make sure you've followed directions exactly; and to see what might cause variations in cooking time. Cook book times and heat settings are suggestions to help prevent over-cooking - the most common problem in getting used to a microwave oven. Variations in the size, shape, weights and dimensions could require longer cooking time. Use your own judgement along with the cook book suggestions to check whether the food has been properly cooked just as you would do with a conventional cooker.
Why do sparks and crackling (arcing) occur in the oven.	There may be several reasons why sparks and crackling (arcing) in the oven cavity occur: o You are using dishes with metal parts or trim. o You have left a fork or another metal utensil in the oven. o You are using a large amount of metal foil. o You are using a metal twist-tie.

Power source:	Single phase 220V AC, 50Hz, earthed
Power consumption:	1300W (microwave)
	1280W (grill)
	1580W (convection)
	2850W (preheat combination)
Output power:	700W (microwave)
	1200W (grill)
	1500W (convection)
Microwave frequency:	2450MHz
Timer:	99min 99s (microwave, grill and convection)
Outside dimensions (W x H x D):	565mm x 381mm x 503mm
Oven dimensions (W x H x D):	370mm x 238mm x 373mm

* Dimensions shown are approximate.

* Because we continually strive to improve our products, we may change specifications without prior notice.

GARANTIE URKUNDE

Für dieses Gerät übernehmen wir 12 Monate Garantie, für das Magnetron sogar 36 Monate.

Wir verpflichten uns, während der 12-monatigen Garantiezeit Ihr Garät kostenlos instandzusetzen bzw. Ihrem Fachhändler die Ersatzteile kostenlos zur Verfügung zu stellen, wenn es in Folge eines Fabrikations-oder Materialfehlers versagen sollte. Weitergehende Ansprüche gegen uns sind ausgeschlossen.
Beschädigungen durch höhere Gewalt oder auf dem Transportwege sowie Versand-und Verpackungskosten gehen zu Ihren Lasten.
Die Garantie beginnt mit dem Tage des Kaufes.
Während der Garantiezeit von 36 Monaten für das Magnetron besteht Anspruch auf kostenlosen Ersatz des Bauteiles.
Es erfolgt keine übernahme der Reparatur-und Lohnkosten etc. Etwas anderes gilt nur für einen Garantiefall innerhalb von 12 Monaten seit dem Tage des Kaufes.
Durch eine Garantiereparatur tritt weder für die Ersatzteile noch für das Gerät eine Verlängerung der Garantiezeit ein.

GERÄTETYP	ER-946MD	SERIENNUMMER	

KAUFDATUM :

FACHHÄNDLER

NAME :
STRASSE :
ORT :

STEMPEL/UNTERSCHRIFT

GoldStar Deutschland GmbH
Jakob-Kaiser-Str. 12, W-4156 Willich 1